Sheet 1 of 15 INTELLIGENT OBJECT BUILDER Thomas A. Wucherer et al. Docket: Title: Applicant:

Appl. No.: Unassigned
Filing Date: October 30, 2001
Express Mail No.: EL 795247709 US

TRIRG-08851US0 Larry E. Vierra (415) 369-9660 Atty: Phone:

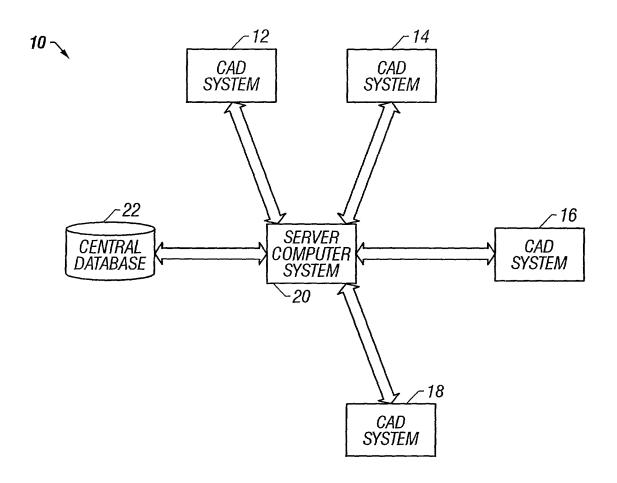


FIG. 1

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TRIRG-08851US0 Larry E. Vierra (415) 369-9660

CAD SYSTEM CAD SYSTEM

Sheet 3 of 15
INTELLIGENT OBJECT BUILDER
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Appl. No.: Unassigned
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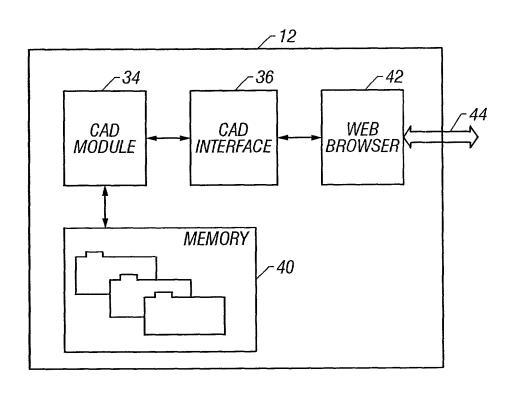


FIG. 3

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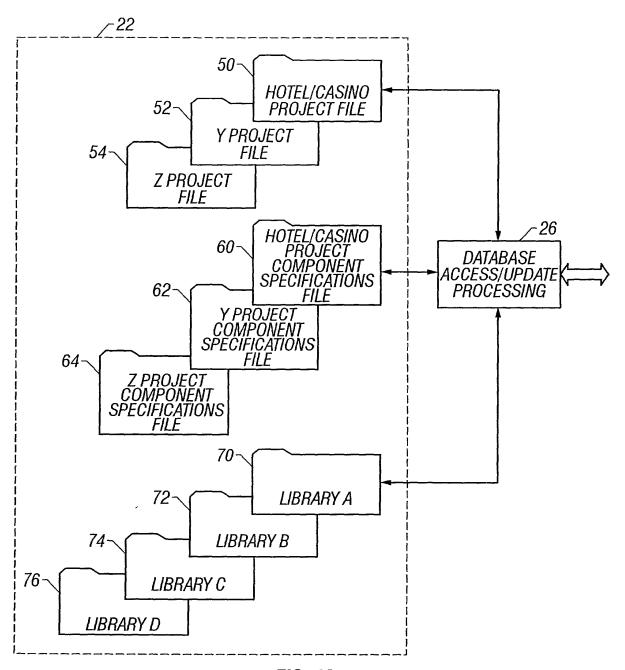


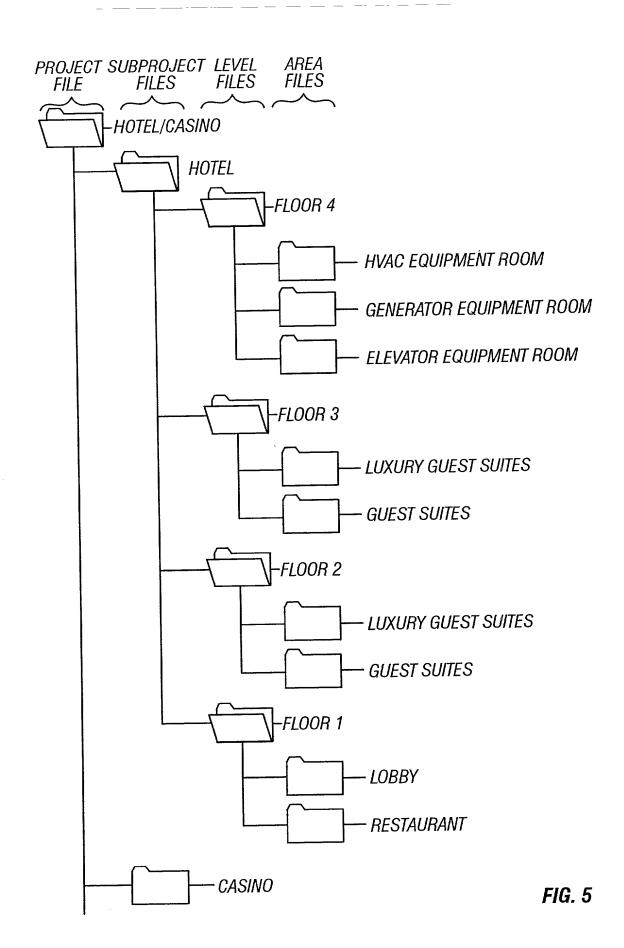
FIG. 4A

FIG. 4B

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— LEVEL (FLOOR 4) — LEVEL (FLOOR 3) — LEVEL (FLOOR 2) LEVEL (FLOOR 1) ~SUBPROJECT (HOTEL) AREA (HVAC EQUIPMENT ROOM) AREA (GENERATOR EQUIPMENT ROOM)-AREA (ELEVATOR EQUIPMENT ROOM)-SUBPROJECT (CASINO)

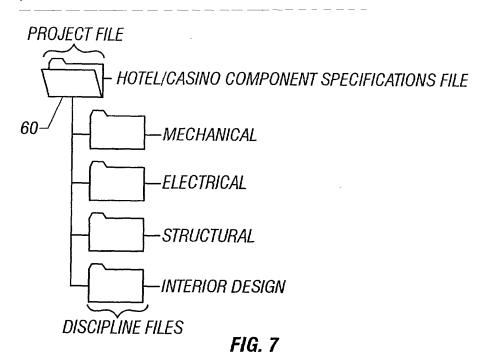
FIG. 6

m

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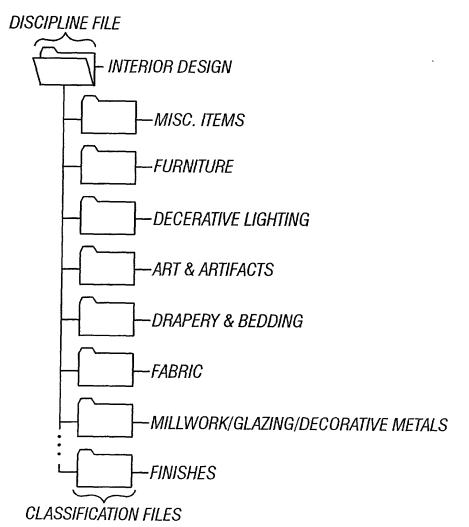


FIG. 8

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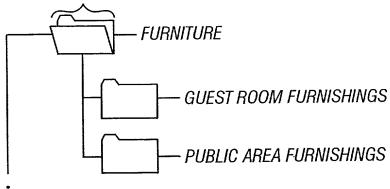
Atty: Phone: TRIRG-08851US0 Larry E. Vierra

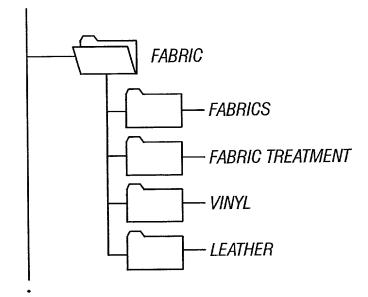
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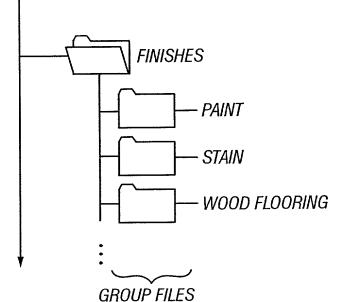


FIG. 9

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INTELLIGENT OBJECT BUILDER

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GROUP FILE COMPONENT SPECIFICATIONS PUBLIC AREA FURNISHING HOTEL RESTAURANT DINNING AREA CHAIR HOTEL RESTAURANT DINNING AREA TABLE HOTEL RESTAURANT LOUNGE AREA CHAIR HOTEL RESTAURANT LOUNGE AREA TABLE HOTEL RESTAURANT DOOR 1 CASINO RESTAURANT DINNING AREA CHAIR CASINO RESTAURANT DINNING AREA CASINO RESTAURANT LOUNGE AREA CASINO RESTAURANT LOUNGE AREA CASINO AREA CHAIR 1 CASINO AREA CHAIR 2 HOTEL LOBBY AREA CHAIR HOTEL LOBBY AREA TABLE FIG. 10

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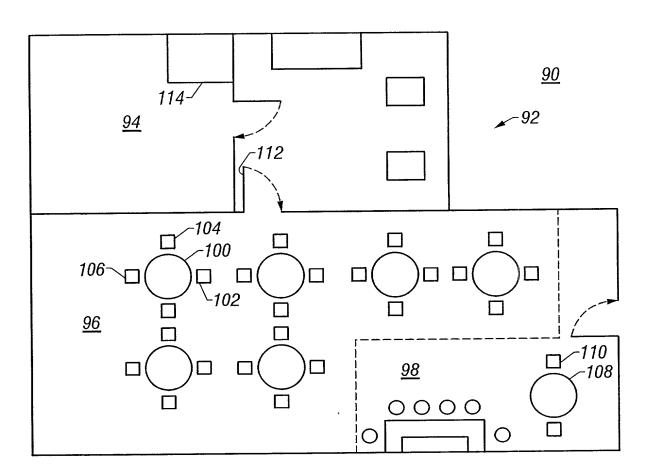


FIG. 11

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> 132 OPEN ADD FILE UI -134 ENTER PROJECT NUMBER IN CORRESPONDING FIELD OF ADD FILE UI - 136 ENTER FILE TYPE (AREA, LEVEL, ETC.) IN CORRESPONDING FIELD OF ADD FILE UI -138 ENTER NAME OF NEW FILE IN CORRESPONDING FIELD OF ADD FILE UI - 140 ENTER TYPE AND NAME OF PARENT FILE IN CORRESPONDING FIELDS OF UI -142 CREATE RELATIONAL DATABASE ENTRY FOR NEW FILE -144 CREATE AND ASSIGN FILE ID FOR **NEW FILE END**

FIG. 12A

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Γitle: INTELLIGENT OBJECT BUILDER

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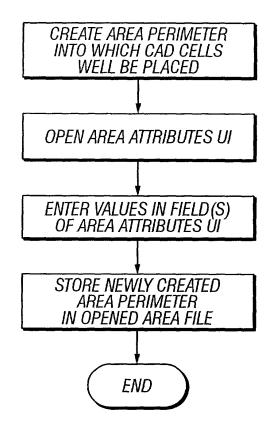


FIG. 13A

Area Attributes			
Name:			
Use:	∇		
Gross Sq. Feet:			
OK Cancel			

FIG. 13B

Sheet 13 of 15

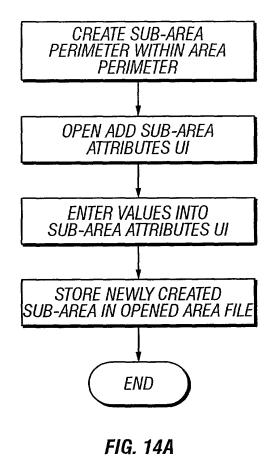
Title Applicant: Appl. No.:

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Sub-Area Attributes	
Name:	
Number:	∇
Use:	∇
Net Square Feet: [
Max. Occupancy:	
ОК	Cancel

FIG. 14B

Sheet 14 of 15

INTELLIGENT OBJECT BUILDER Title: Applicant:

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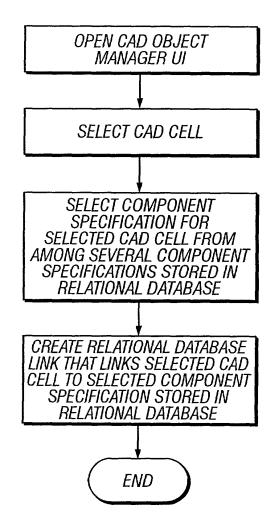


FIG. 15A

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Cad Object Manager				
File Help				
Group: PAF	Select Cell			
Sub-Area: Hotel Rest Dinning Area	Select Sub-Area			
Mark:	Place Mark			
Spec: HRDAC	New Spec			
Apply	<< Details			
Status Area				
Hotel Restaurant ☐ Fabric ☐ Fabric Treatment ● Scotchguard ● Fabric 1 ☐ Stain	Add SubSpec Add Instance Remove Edit Instance Edit Spec			
Attributes Status Quantities Costs				
Height: Width: Depth: Color: Fire Rating: Other:				